

Sundstrom SR500 Regulator

Sundström 



SR 500

BRUGSANVISNING • BRUKSANVISNING • GEBRAUCHSANLEITUNG
GEBRUIKSAANWIJZING • INSTRUCCIONES DE USO • KÄYTTÖOHJEET
INSTRUCTIONS FOR USE • INSTRUÇÕES DE USO • MODE D'EMPLOI
INSTRUKJA UŻYTKOWANIA • NAUDOJIMO INSTRUKCIJOS • NÁVOD K
POUŽITÍ ISTRUZIONI PER L'UZO • KASUTUSJUHEND • HASZNÁLATI UTASÍTÁS
LIETOŠANAS INSTRUKCIJAS • NAVODILA ZA UPORABO • ИНСТРУКЦИИ ЗА
УПОТРЕБА • NÁVOD NA POUŽITIE • ΟΔΗΓΙΕΣ ΧΡΗΣΗΣ • KULLANIM TALİMATLARI

Fan unit SR 500

EN

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1. General information

The SR 500 is a battery-powered fan unit that, together with filters and head top, is included in the Sundström fan-assisted respiratory protective device systems conforming to EN 12941 or EN 12942 and to Sundström Powered Air Purifying Respirator (PAPR) system conforming to AS/NZS 1716:2012.

Before use, both these user instructions and those for the filter and head top must be carefully studied.

The fan unit is to be equipped with filters, and the filtered air is supplied through a breathing hose to the head top.

The above-atmospheric pressure then generated prevents pollutants from the surroundings from penetrating into the head top.

Use of a respirator must be part of a respiratory protection program. For advice see EN 529:2005 or AS/NZS 1715:2009.

The guidance contained in these standards highlights important aspects of a respiratory protective device program but does not replace national or local regulations.

If you feel uncertain about the selection and care of the equipment, consult your work supervisor or get in touch with the sales outlet. You are also welcome to get in touch with the Technical Service Department at Sundström Safety AB.

1.1 Applications

The SR 500 can be used as an alternative to filter respirators in all situations for which these are recommended. This applies particularly to work that is hard, warm or of long-duration.

When selecting filters and head top, the following are some of the factors that must be taken into account:

- Possible occurrence of explosive atmosphere
- Types of pollutants
- Concentrations
- Work intensity
- Protection requirements in addition to respiratory protective device

The risk analysis should be carried by a person who has suitable training and experience in the area.

1.2 System description

Fan unit

The characteristics of the SR 500 are as follows:

- Operating time of up to 13 hours.
- The battery is of lithium ion type that is good for at least 500 charging cycles.
- The same control is used for starting, stopping and selection of operating status.
- Display with clear symbols.
- Initiates an alarm by vibration and sound/light signals

- in the event of an obstruction in the air flow.
- Equipped with automatic air flow control with compensation for air pressure and temperature.
- To be used with two filters/combined filters.
- Can be used together with a hood, visor, welding shield, half mask, full face mask, helmet with visor or welding shield together with helmet with visor.

Filters

See 3.4

Breathing hose

The breathing hose is not included with the fan unit but is supplied with the relevant head top.

The breathing hose for half mask and full face mask is purchased separately.

Head top

The choice of head top depends on the working environment, work intensity and the required protection factor. The following head tops are available for the SR 500:

- Class TH3 hood, model number SR 520.
- Class TH3 hood, model number SR 530.
- Class TH3 hood, model number SR 561.
- Class TH3 hood, model number SR 562.
- Class TH3 visor, model number SR 540.
- Class TH3 welding shield, model number SR 590.
- Class TM3 full face mask, model number SR 200.
- Class TM3 half mask, model number SR 900.
- Class TH3 helmet with visor, model number SR 580.
- Class TH3 welding shield together with helmet with visor, model number SR 584/SR 580.
- Class TH3 gold-plated shield together with helmet with visor, model number SR 587/SR 580.
- Class TH3 shield 2/3, EN 3 together with helmet with visor, model number SR 588-1/SR 580.
- Class TH3 shield 2/3, EN 5 together with helmet with visor, model number SR 588-2/SR 580.

1.3 Warnings/limitations

Warnings

The equipment must not be used

- In the power-off state. In this abnormal situation a rapid build-up of carbon dioxide and depletion of oxygen may occur in the head top and no protection is given.
- If the surrounding air does not have a normal oxygen content.
- If the pollutants are unknown.
- In environments that are immediately dangerous to life and health (IDLH).
- With oxygen or oxygen-enriched air.
- If you find it difficult to breathe.
- If you can smell or taste the pollutants.
- If you experience dizziness, nausea or other discomfort.

Limitations

- The SR 500 must always be used with two particle filters or two combined filters or a combination of two gas filters of the same type and two particle filters.

- If the user is exposed to very high work intensity, a partial vacuum may occur in the head top during the inhalation phase, which may involve the risk of leakage into the head top.
- The protection factor may be reduced if the equipment is used in surroundings in which high wind speeds occur.
- Be aware that the breathing hose might make a loop and get caught up by something in your surrounding.
- Never lift or carry the equipment by the breathing hose.
- The filters must not be fitted directly to the head top.
- Only use Sundström filters.
- The user should take care not to confuse the markings on a filter to standards other than EN 12941 and EN 12942 with classification of the SR 500 fan unit when used with this filter.

2. Technical specification

Air flow rate

During normal operation, the air flow rate is at least 175 l/min, which is the manufacturer's recommended minimum flow rate or MMDF.

On boosted operation, the air flow rate is 240 l/min.

The automatic flow control system of the fan unit maintains these flows constant throughout the operating time.

Batteries

STD, Standard, 14.8 V, 2.2 Ah, lithium-ion.

HD, Heavy Duty, 14.8 V, 3.6 Ah, lithium-ion.

- The charging time for the STD battery is about 1.5 h.
- The charging time for the HD battery is about 2 h.
- The cycling life is about 500 full cycles.
- The battery do not need to be discharged before it is charged.

Operating times

The operating times may vary with the temperature, and the condition of the battery and filters.

The table below gives the expected operating times under ideal conditions.

STD	HD	Filter	Air flow rate	Expected operating
•		P3 R (PAPR-P3)	175 l/min	8 h/7 h*
	•	P3 R (PAPR-P3)	175 l/min	13 h/12 h*
	•	P3 R (PAPR-P3)	240 l/min	8 h/7 h*
•		A1BE2K1P3 R (PAPR-A1BE2K1-P3)	175 l/min	5 h/4 h*
	•	A1BE2K1P3 R (PAPR-A1BE2K1-P3)	175 l/min	8,5 h/7,5 h*
	•	A1BE2K1P3 R (PAPR-A1BE2K1-P3)	240 l/min	5 h/4 h*

*SR 900 + SR 951/SR 952

Shelf life

The equipment has a shelf life of 5 years from the date of manufacture. However, note that the battery must be charged at least once a year.

Pressure and temperature range

- Storage temperature. Fig. 3.
- Service conditions. Fig. 4.

3. Use

3.1 Unpacking

Check that the equipment is complete in accordance with the packing list and has not been damaged in transit.

3.2 Packing list

Fig. 1.

1. Fan unit SR 500, bare
2. Battery, STD
3. Battery charger SR 513
4. Belt SR 508
5. P3 R Particle filter SR 510, 2x
6. Filter adapters SR 511, 2x
7. Pre-filters SR 221, 10x
8. Pre-filter holders SR 512, 2x
9. Flow meter SR 356
10. User instructions
11. Cleaning tissue SR 5226
12. Plug kit

3.3 Battery

New batteries must be charged before they are used for the first time. See 3.5 Assembly.

3.4 Filters

The choice of filters/combined filters depends on factors such as the type and concentration of pollutants. The fan unit may be used with only particle filters or with a combination of particle filters and gas filters.

The following filters are available for the SR 500:

- Particle filter P3 R (PAPR-P3), model number SR 510. Used with an adapter. Two filters are supplied with the fan. Can be combined with a gas filter.
- Particle filter P3 R (PAPR-P3), model number SR 710. Provided with a thread, and there is no need for an adapter. Cannot be combined with a gas filter.
- Gas filter A2 (PAPR-A2), model number SR 518. Shall be combined with a particle filter.
- Gas filter ABE1 (PAPR-ABE1), model number SR 515. Shall be combined with a particle filter.
- Gas filter A1BE2K1 (PAPR-A1BE2K1), model number SR 597. Shall be combined with a particle filter.
- Combined filter A1BE2K1-Hg-P3 R (PAPRA1BE2K1-Hg-P3), model number SR 599.

Note!

- The filters used must be of the same type, i.e. two P3 R (PAPR-P3) or two A2P3 R (PAPR-P3), etc.
- When filters are changed, both filters/combined filters must be changed at the same time.
- The particle filter must always be used - either separately or in combination with a gas filter.

Particle filter P3 R (PAPR-P3)

Sundström markets only particle filters of the highest class P3 R (PAPR-P3). Two models are available for fan SR 500, i.e. SR 510 and SR 710. The filters provide protection against all types of particles, both solid and liquid. The SR 510 can be used separately or combined with a gas filter. The SR 710 cannot be combined with a gas filter. The particle filters can be used with the same pre-filter holder as the one used with the Sundström half- and full face masks. In these cases, the standard pre-filter holder of the fan is excluded. See 5. Parts list.

Gas filters A, B, E, K, Hg

A protects against organic gases and vapours, e.g. solvents, with a boiling point of more than +65 °C.

B protects against inorganic gases and vapours, e.g. chlorine, hydrogen sulphide and hydrogen cyanide.

E protects against acidic gases and vapours, such as sulphur dioxide and hydrogen fluoride.

K protects against ammonia and certain amines, e.g. ethylene diamine.

Hg provides protection against mercury vapour. Warning! Maximum use time 50 hours.

The gas filters must always be combined with particle filters P3 R (PAPR-P3). Press the filters together so that the arrows on the particle filter point towards the gas filter. Fig. 21.

Combined filter SR 599, A1BE2K1-Hg-P3 R, (PAPR-A1BE2K1-Hg-P3)

Protects against ABEK-P3 R (PAPR-ABEK-P3) pollutants as described above and in addition against Hg, mercury vapour. When used to protect against mercury vapour the period of use is limited to 50 hours.

Pre-filter

The pre-filter protects the main filter against excessively fast clogging. Fit in the pre-filter holder. The pre-filter holders protect also the main filters against handling damage.

Note! The pre-filter can serve only as a pre-filter. It can never replace the particle filter.

3.5 Assembly

a) Battery

On delivery, the battery fitted in the fan unit is provided with protective tape over the terminals. Remove the battery and remove the tape.

- Remove and charge the battery. Fig. 5, 6, 7, 8.

The charger carries out charging automatically in three stages.

Fig. 9.

1. Orange LED.
2. Yellow LED.
3. Green LED.

- When charging has been completed, pull the plug out of the socket before separating the battery from the charger.
- Push the battery back into the battery compartment. Check that the battery has been pushed in as far as it will go and that its lock is operative.

Warning!

- Always recharge the battery before it has become fully discharged.
- The charger may be used only for charging the batteries for the SR 500.
- The battery may be charged only with a genuine Sundström charger.
- The charger is designed only for use indoors.
- The charger must not be covered while it is in use.
- The charger must be protected against moisture.
- Never short circuit the battery.
- Never try to dismantle the battery.
- Never expose the battery to an open flame. There is risk of explosion/fire.

b) Belt

- Assemble the belt. Fig. 10, 11, 12.

Note! Study the illustrations carefully to ensure that the belt will not end up upside down or back to front.

c) Breathing hose

Read carefully the user instructions accompanying the head top.

Full face mask SR 200:

- Assemble the hose between full face mask SR 200 and fan unit SR 500. Fig. 13, 14, 15.
- Check that the hose is firmly secured.

Half mask SR 900:

- Assemble the hose between half mask SR 900 and fan unit SR 500. Fig. 16, 17.
- Check that the hose is firmly secured.

d) Particle filters/combined filters

Two filters or combined filters of the same type and class must always be used at the same time.

1. Particle filter SR 510

- Check that the gaskets in the filter mounting of the fan unit are in place and are in good condition. Fig. 18.
- Snap the particle filter onto the filter adapter. Do not press onto the centre of the filter - it might damage the filter paper. Fig. 19.
- Screw the adapter into the filter mounting so far that the adapter will be in contact with the gasket. Then turn it about 1/8 turn further in order to ensure a good seal. Fig. 20.
- Fit one pre-filter into the pre-filter holder. Fig. 21.
- Press the pre-filter holder onto the particle filter. Fig. 22.

2. Particle filter SR 710

- Check that the gaskets in the filter mounting of the fan unit are in place and are in good condition. Fig. 18.
- Screw the filter into the filter mounting so far that the adapter will be in contact with the gasket. Then turn it about 1/8 of a turn further in order to ensure a good seal. Fig. 20.
- Fit one pre-filter into the pre-filter holder. Fig. 21.
- Press the pre-filter holder onto the particle filter. Fig. 22.

3. Combined filters

- Check that the gaskets in the filter mounting of the fan unit are in place and are in good condition. Fig. 18.
- Snap the particle filter onto the gas filter. The arrows on the particle filter must point towards the gas filter. Do not press onto the centre of the filter - it might damage the filter paper. Fig. 19.
- Screw the combined filter into the filter mounting until it is in contact with the gasket. Then turn it about 1/8 turn further to ensure a good seal. Fig. 24.
- Fit a pre-filter into the pre-filter holder. Fig. 21.
- Press the pre-filter holder onto the combined filter. Fig. 25.

Filter SR 599 is a combined gas filter and particle filter and is screwed directly into the filter mounting of the fan. Proceed as described above.

e) Plug kit

The Plug kit is used for cleaning or decontamination of the fan unit and prevents dirt and water from entering the fan housing. Disconnect the breathing hose and the filters and install the plugs. Fig. 42.

3.6 Operation/performance

Start/Switch off

- Start the fan unit by pressing the control button once. Fig. 26.
- The symbols on the display will light up, the sound signal will sound and the vibrator will vibrate. Fig. 27.
- The battery symbol on the display indicates the battery capacity.
 - o Lights green: > 70 %
 - o Flashing green: 50-70 %
 - o Lights yellow: 20-50 %
 - o Flashing red: < 20 %
- The fan unit starts in normal operating status (175 l/min). Switch between normal and boosted operating status (240 l/min) with the control button.
- To switch off the fan unit, keep the control button depressed for about two seconds.

Display symbols

Fig. 28

- a) Battery: Indicate the battery capacity at start and when the battery capacity is low.
- b) Small fan: Lights up with a green light during normal operation.
- c) Bigger fan: Lights up with a green light during boosted operation.
- d) Warning triangle: Lights up with a red light if the air flow are obstructed or if the filters are clogged.

Warning system/Alarm signals

- **In the event of air flow obstructions**
 - o A pulsating sound signal will be heard.
 - o The built-in vibrator will be activated.
 - o The red warning triangle of the display will flash.

Action: Immediately interrupt the work, leave the area, and inspect the equipment.

- **If the particle filters are clogged**
 - o A continuous sound signal will be heard for five seconds.
 - o The built-in vibrator will be activated for five seconds.
 - o The red warning triangle in the display will flash.

The warning triangle will flash continuously, whereas the sound signal and the vibrator will be repeated at intervals of 80 seconds.

Action: Immediately interrupt the work, leave the area and change the filter.

Note! No signal is activated when the gas filters are saturated. For particulars of changing the gas filters, see under 3.4 Filters and the user instructions supplied with the filters.

- **If the battery capacity is lower than 5 %**
 - o A sound signal will be repeated twice at intervals of two seconds.

- o The built-in vibrator will be activated twice at intervals of two seconds.
- o The battery symbol of the display will flash red.

The battery symbol will flash continuously, whereas the other signals are repeated at intervals of 30 seconds until about one minute remains before the battery would be fully discharged. The sound signal then changes to an intermittent signal.

Action: Immediately interrupt the work, leave the area and change/charge the battery.

3.7 Performance check

The performance check should be checked on every occasion before the fan unit is used.

Check of the minimum flow - MMDF

- Check that the fan unit is complete, correctly mounted, thoroughly cleaned and undamaged.
- Start the fan unit.
- Place the head-top in the flow-meter.
 - o SR 550 PU and SR 951 PU breathing hose: Grip the lower part of the bag to seal around the breathing hose.
 - o SR 551 Rubber and SR 952 PU breathing hose: Grip the lower part of the bag to seal around the upper attachment of the breathing hose. Fig. 29.

Note! You must not grip around the rubber hose itself as this would either obstruct the air flow or cause failure to achieve a proper seal.

- Grip the flow meter tube with the other hand so that the tube points vertically upwards from the bag. Fig. 30.
- Read the position of the ball in the tube. This should hover at a level with or slightly above the upper marking on the tube, (175 l/min). Fig. 31.

If minimum flow is not achieved, check that

- the flow meter is held upright,
- the ball moves freely,
- the bag seals well around the hose.

Checking the alarms

The equipment is designed to provide a warning if the air flow is obstructed.

- Provoke an air flow stoppage by gripping the top part of the bag or by shutting off the flow meter outlet. Fig. 32.
- The fan unit should then initiate alarms by sound, light signals and vibrations.
- If the air is again allowed to flow, the alarm signals will automatically cease after 10-15 seconds.

3.8 Putting the equipment on

After the filters have been fitted, a performance check has been carried out and the head top has been connected, the equipment can be put on. Before putting it on, read the user instructions for the head top.

- Take the fan unit on and adjust the belt so that the fan unit is firmly and comfortably secured at the back of your waist. Fig. 33.
- Start the fan unit.
- Put the head top on.
- Make sure that the breathing hose runs along your back and is not twisted. Fig. 33.

Note that when a full face mask is used, the hose should run along your waist and up along the chest. Fig. 34.

When a half mask is used, the hose should run along your back and over your shoulders. Hose SR 951, see fig. 35. Hose SR 952, see fig. 36.

3.9 Taking the equipment off

Leave the polluted area before taking the equipment off.

- Take off the head top.
- Switch off the fan unit.
- Release the belt and remove the fan unit.

After use, the equipment must be cleaned and inspected. See 4 Maintenance.

4. Maintenance

The person who is responsible for cleaning and maintenance of the equipment must have suitable training and be well acquainted with work of this type.

4.1 Cleaning

Sundström cleaning tissue SR 5226 are recommended for daily care. At more thorough cleaning or decontamination - proceed as follows:

- Assemble the plug kit. See 3.5 e.
 - Use a soft brush or sponge moistened with a solution of water and dishwashing detergent or the like.
 - Rinse the equipment and leave it to dry.
- N.B.** Never use a solvent for cleaning.

4.2 Storage

After cleaning, store the equipment in a dry and clean place at room temperature. Avoid exposing it to direct sunlight. The flow meter can be turned inside out and can be used as a storage bag for the head top.

4.3 Maintenance schedule

The following schedule shows the recommended minimum maintenance procedures required in order to ensure that the equipment is always in functional condition.

	Before use	After use	Annually
Visual inspection	•	•	
Performance check	•		•
Cleaning		•	
Change of fan gaskets			•

4.4 Spare parts

Always use genuine Sundström parts. Do not modify the equipment. The use of non-genuine parts or modification of the equipment may reduce the protective function and put at risk the approvals received by the product.

4.4.1 To change the particle filters/ gas filters/combined filters

Change the particle filters at the latest when they are clogged. The fan senses when this has occurred and provides a warning as described in 3.6 under the heading Operation/performance. The gas filters should preferably be changed in accordance with a predetermined schedule. If no measurements are made on site, the gas filters should be changed once a week or more frequently if the pollutants can be smelt or tasted in the head top.

Bear in mind that both filters/combined filters must be changed at the same time and must be of the same type and class. Proceed as follows:

- Switch off the fan unit.
- Unscrew the filter/combined filter.

- Release the pre-filter holder. Fig. 37.
- Change the pre-filter in its holder. Clean as necessary.
- **To release the particle filter SR 510 from the adapter, proceed as follows:**
 - o Grip the filter with one hand.
 - o Place the thumb of the other hand on the underside of the adapter at the semicircular gap. Fig. 38.
 - o Then prise out the filter. Fig. 39.
- **To release the particle filter SR 510 from the gas filter, proceed as follows:**
 - o Grip the gas filter with one hand.
 - o Insert a coin or some other flat object, e.g. the filter adapter, in the joint between the particle and gas filters.
 - o Then prise out the filter. Fig. 40.
- Fit new filters/combined filters. See 3.5 d.

4.4.2 To change the gaskets

The gaskets in the filter mountings of the fan unit prevent polluted air being drawn into the fan unit. They must be changed once a year or more frequently if wear or ageing is detected. Proceed as follows:

- Switch off the fan unit.
- Screw out the filters.
- The gasket has a groove all round and is fitted on a flange below the threads in the filter mounting. Fig. 41.
- Remove the old gasket.
- Fit the new gasket onto the flange. Check that the gasket is in place all round.

5. Parts list

Fig. 2.

Item No.	Part	Ordering No.
1.	Hood SR 561	H06-5012
2.	Hood SR 562	H06-5112
3.	Hood SR 520 M/L	H06-0212
3.	Hood SR 520 S/M	H06-0312
4.	Hood SR 530	H06-0412
5.	Face shield SR 540	H06-0512
6.	Full face mask SR 200, PC visor	H01-1212
6.	Full face mask SR 200, glass visor	H01-1312
7.	Half mask SR 900 S	H01-3012
7.	Half mask SR 900 M	H01-3112
7.	Half mask SR 900 L	H01-3212
8.	Welding shield SR 590	H06-4012
9.	Helmet with visor SR 580	H06-8012
10.	Welding shield/Helmet with visor SR 584/SR 580	H06-8310
11.	Hose SR 550	T01-1216
11.	Hose SR 551	T01-1218
12.	Hose SR 951	T01-3003
13.	Twin hose SR 952	R01-3009
14.	Gold-plated shield SR 587	R06-0824
15.	Shield 2/3, EN 3 SR 588-1	R06-0825
15.	Shield 2/3, EN 5 SR 588-2	R06-0826
16.	Flow meter SR 356	R03-0346
17.	Steel net disc SR 336	T01-2001
18.	Asbestos kit SR 509	T06-0105
19.	Storage bag SR 505	T06-0102
20.	STD Standard battery, 2.2 Ah	R06-0108
21.	HD battery, 3.6 Ah	T06-0101
21.	Battery charger SR 513	R06-0103
22.	Belt SR 508	R06-0101

22. Rubber belt SR 504	T06-0104
23. Leather belt SR 503	T06-0103
24. Harness SR 552	T06-0116
25. Fan unit SR 500, bare	R06-0110
26. Gasket to fan unit	R06-0107
27. Pre-filter holder SR 512	R06-0106
28. Pre-filter SR 221	H02-0312
29. Particle filter P3 R, SR 510	H02-1312
30. Filter adapter SR 511	R06-0105
31. Pre-filter holder SR 5153	R01-0604
32. Particle filter P3 R, SR 710	H02-1512
33. Gas filter A2, SR 518	H02-7012
34. Gas filter ABE1, SR 515	H02-7112
35. Gas filter A1BE2K1, SR 597	H02-7212
36. Combined filter A1BE2K1-Hg-P3 R, SR 599	H02-7312
37. Splash cover SR 514	T06-0114
38. Plug kit	R06-0703

6. Key to symbols



Recycling symbol



See user instructions



Not with ordinary waste



CE approved by
INSPEC Certification Services Ltd.



Insulation class 2



Pressure and temperature compensated

7. Worn-out products

The fan unit contains a circuit board with electronic components, a small proportion of which comprise toxic substances. The battery contains no mercury, cadmium or lead, and is therefore not regarded as environmentally harmful waste. The plastic parts are marked with the material code. For proper handling, collection and recycling, worn-out fans should be handed in to a recycling centre. Contact the local authorities for information on the location of your nearest recycling centre.

Recycle in accordance with local regulations. Proper recycling of the product contributes to efficient use of the natural resources.

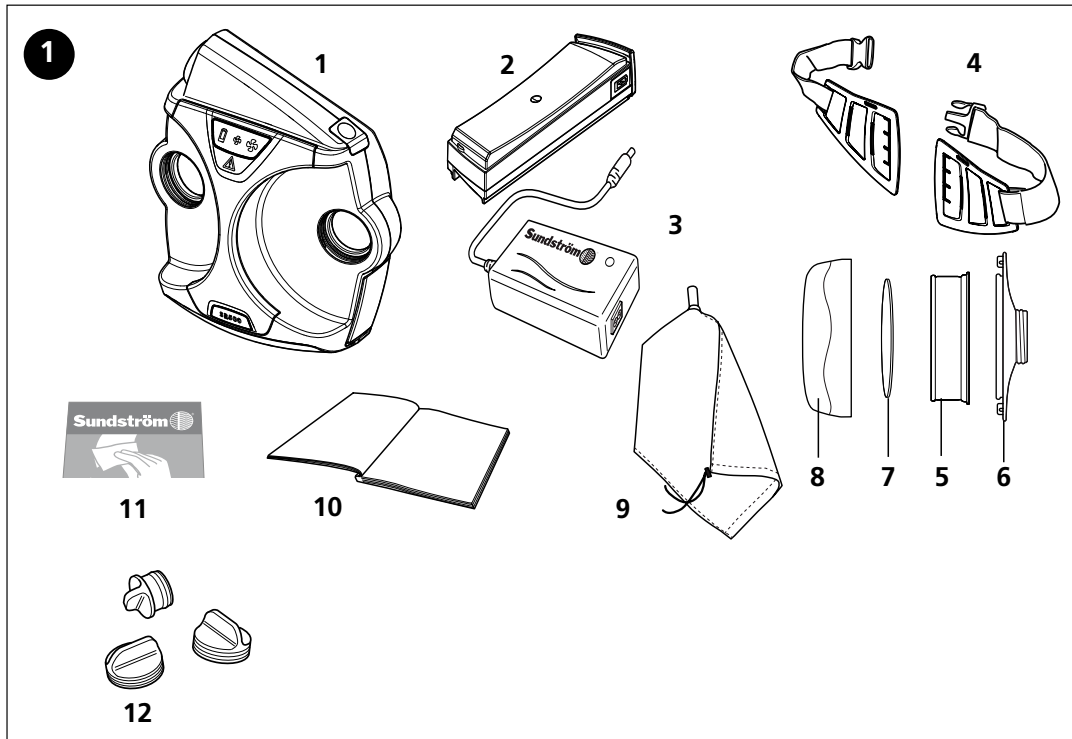
8. Approvals

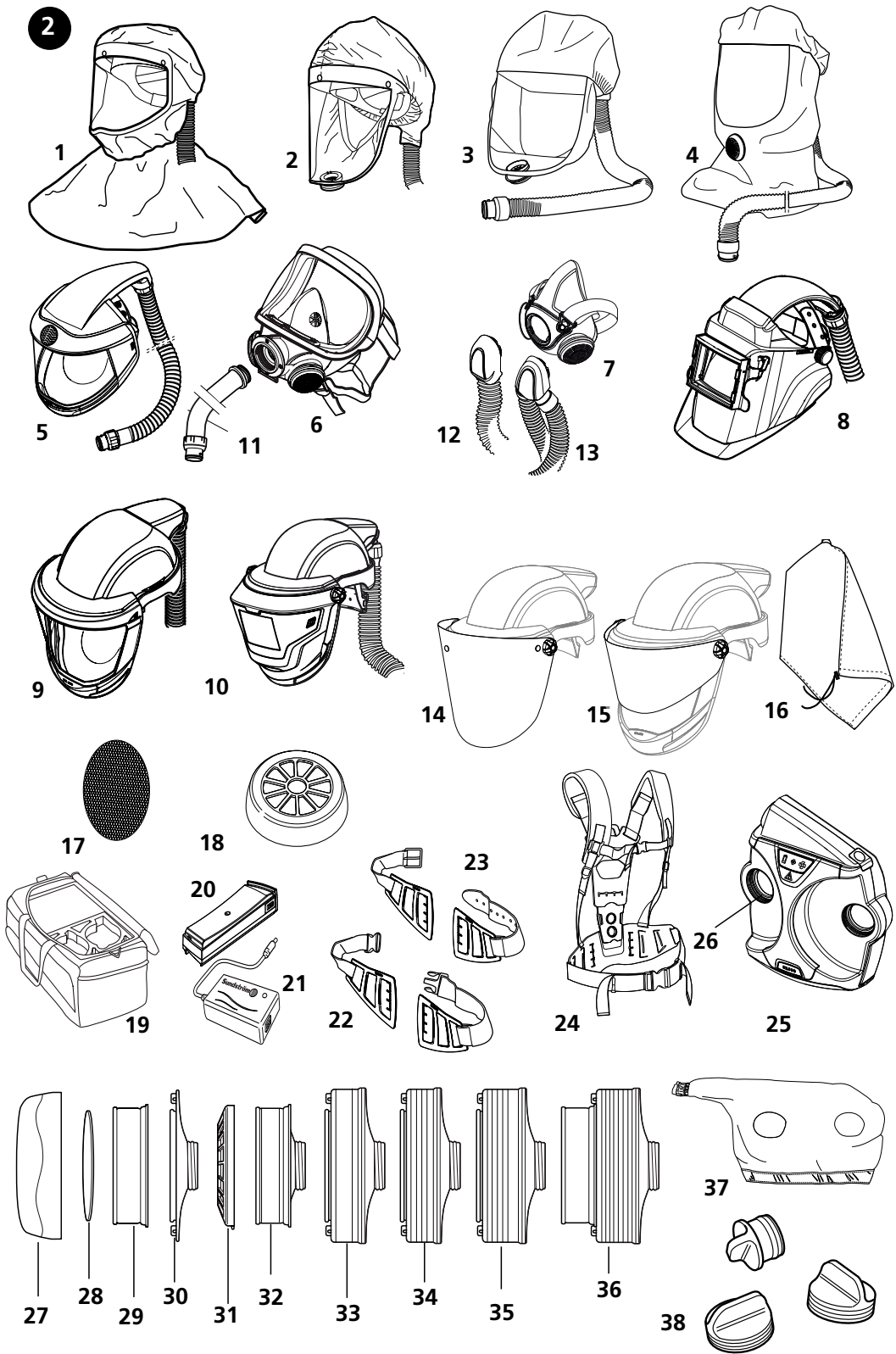
- The SR 500 in combination with face shield SR 540, welding shield SR 590, helmet with visor SR 580, helmet with visor SR 580 with welding shield SR 584, hoods SR 520, SR 530, SR 561 or SR 562 is approved in accordance with EN 12941, class TH3.
- The SR 500 in combination with full face mask SR 200 or half mask SR 900 is approved in accordance with EN 12942, class TM3.
- The SR 500 conforms to the requirements of EN 61000-6-3 Emission and EN 61000-6-2 Immunity, which makes the fan conform to EMC Directive 2004/108/EC.
- The electronics ingress protection is approved in IP classification IP67 in accordance with IEC/EN 60529.

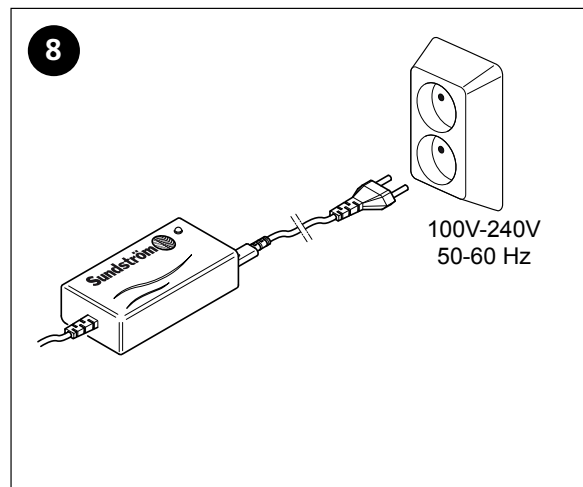
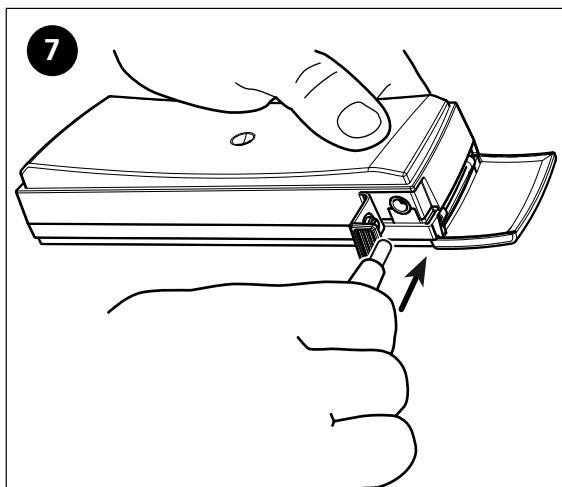
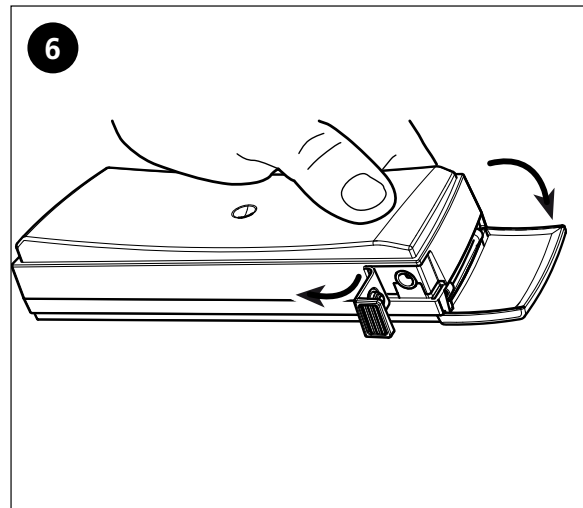
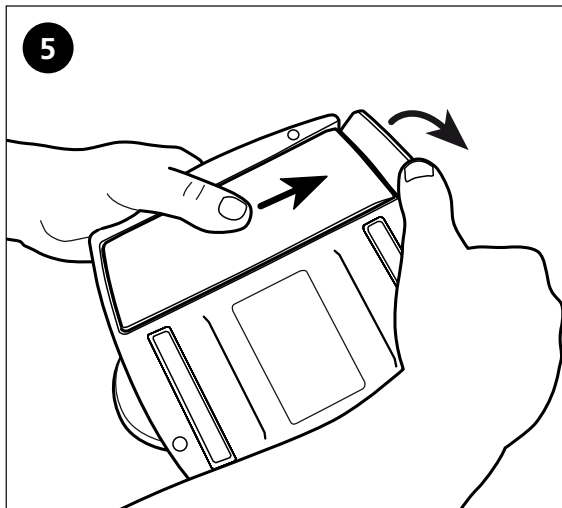
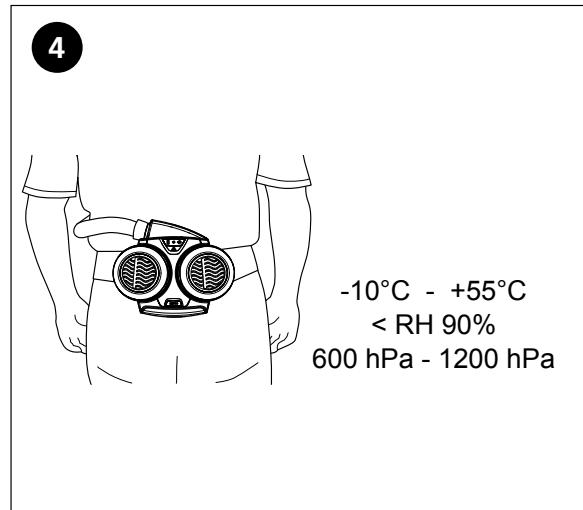
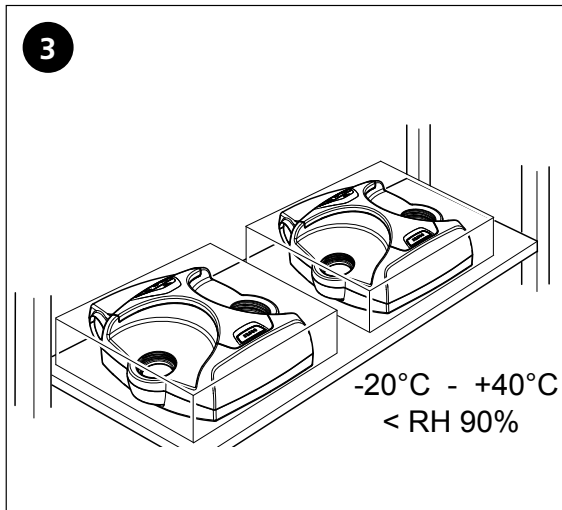
The EC type approval certificate has been issued by Notified Body No. 0194. For address, see back-cover.

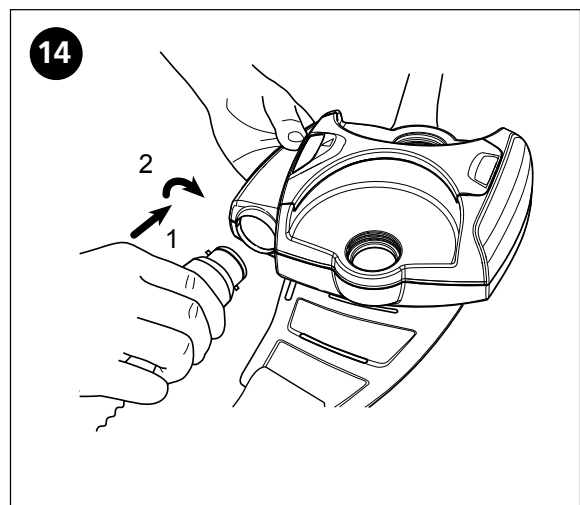
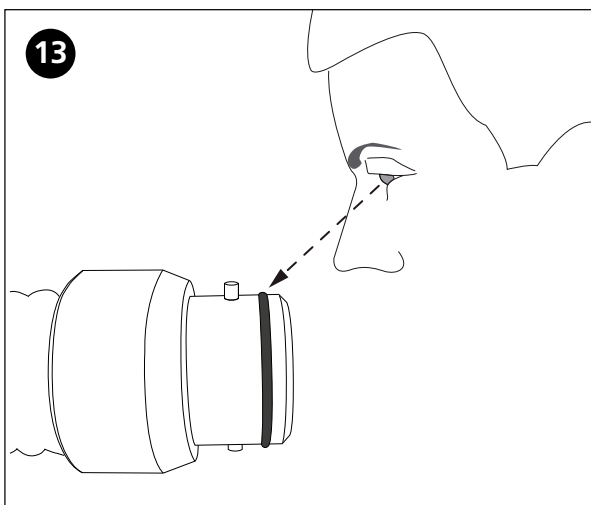
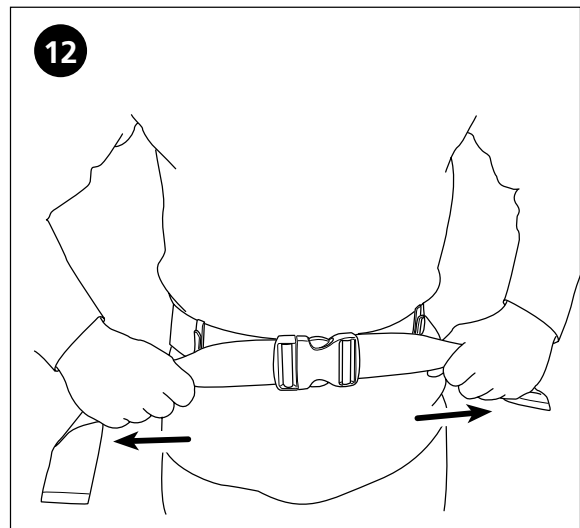
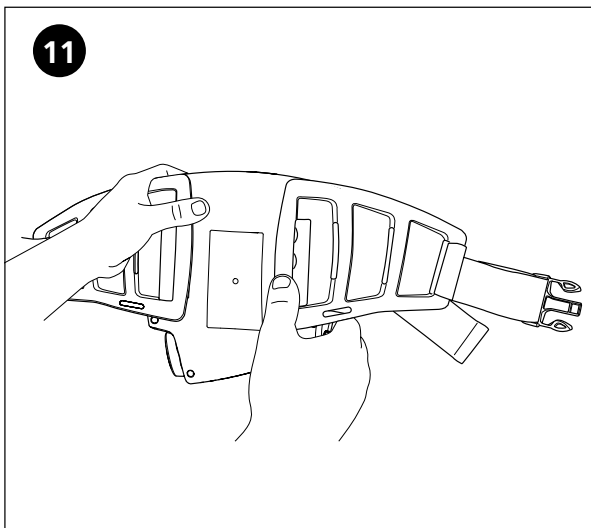
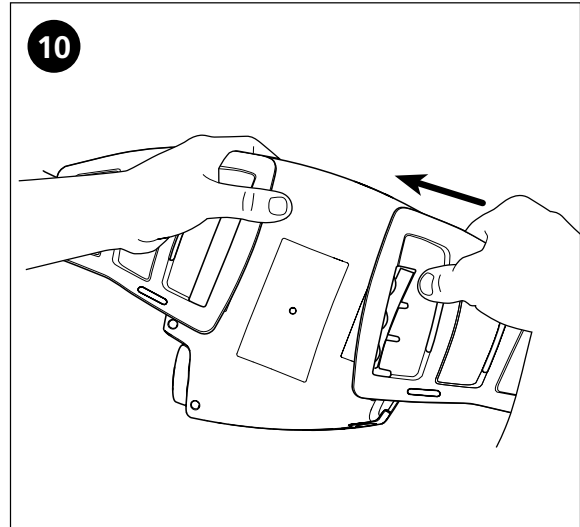
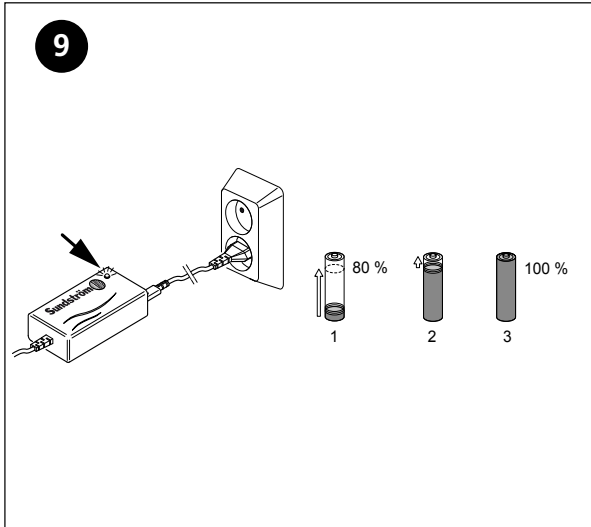
Australian StandardsMark

The fan SR 500 is tested and certified to comply to AS/NZS 1716:2012. The StandardsMark is issued under licence by SAI Global Certification Services Pty Limited Lic No.766 (ACN 108 716 669) ("SAI Global").

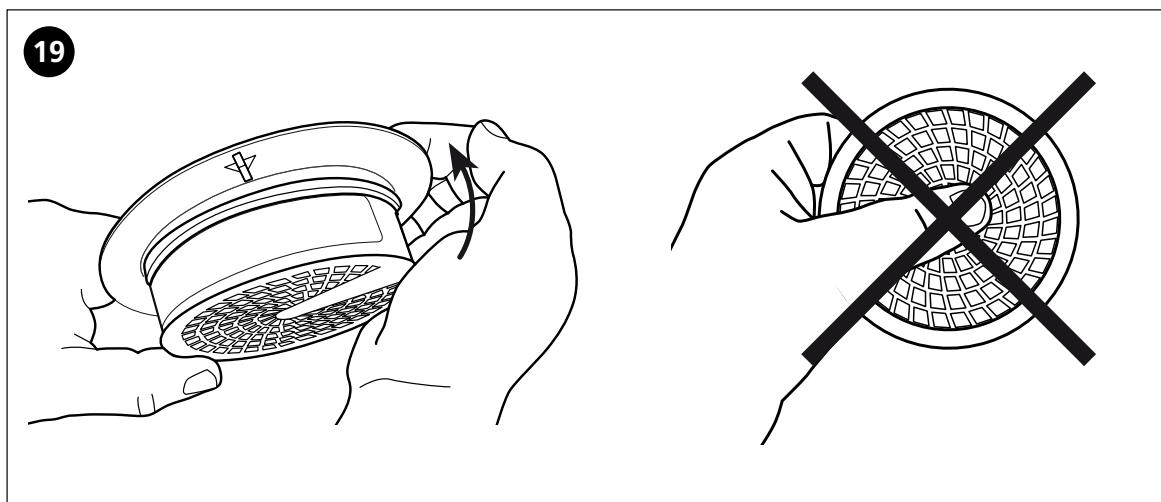
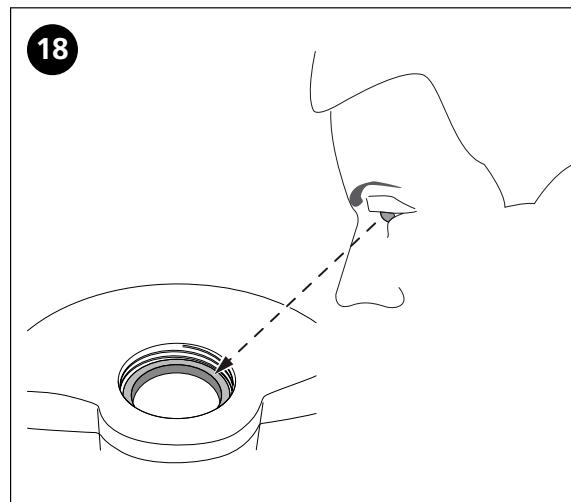
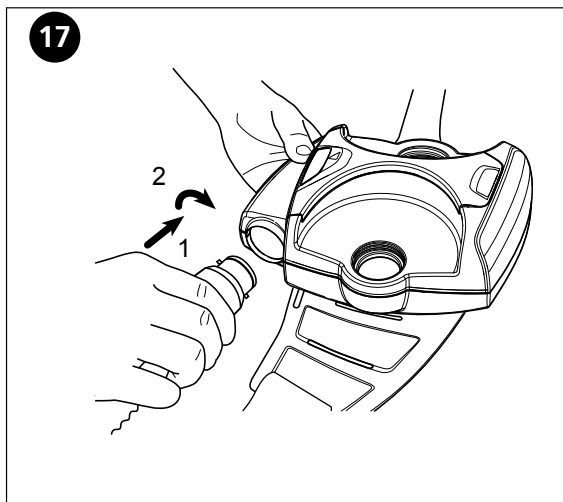
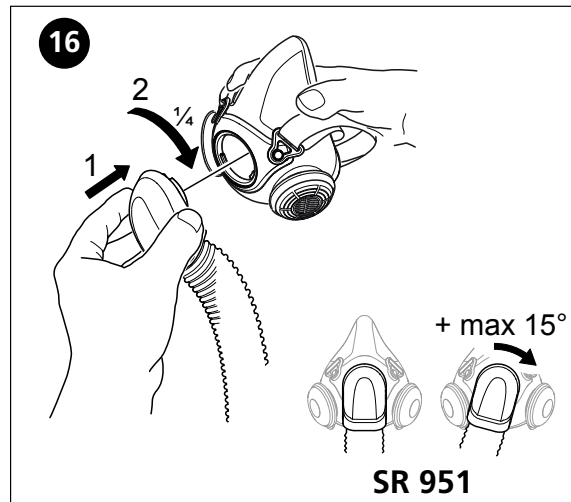
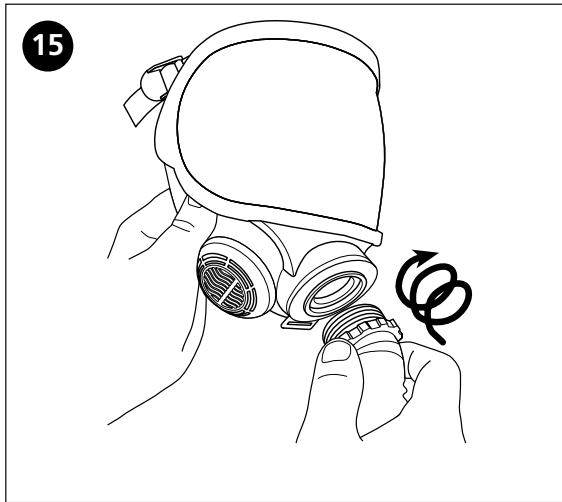


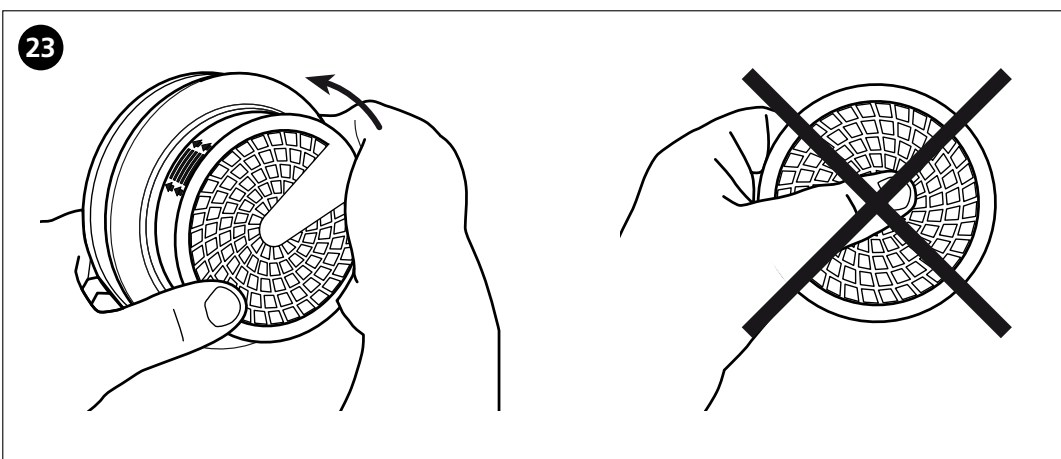
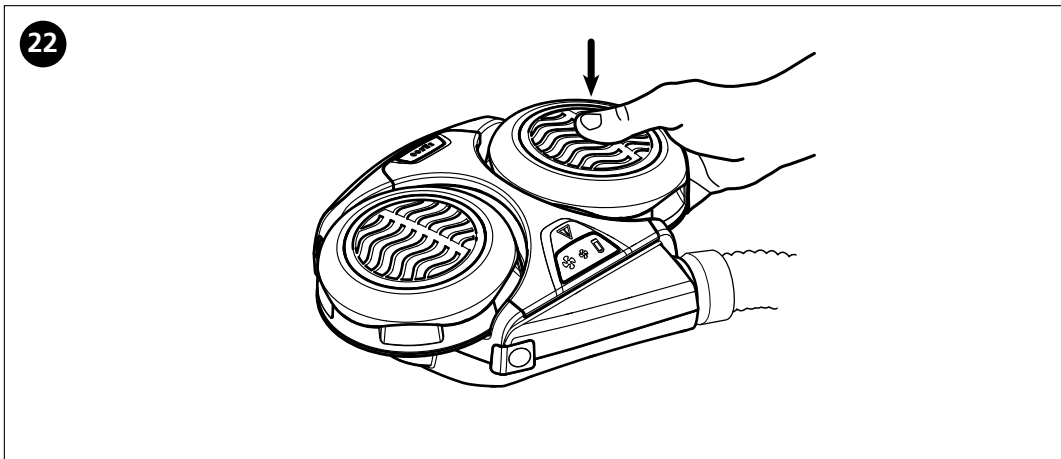
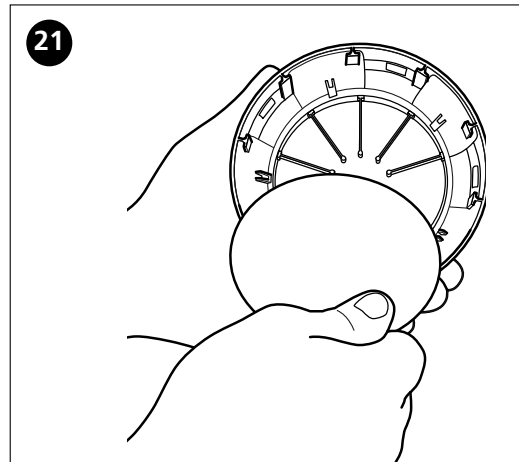
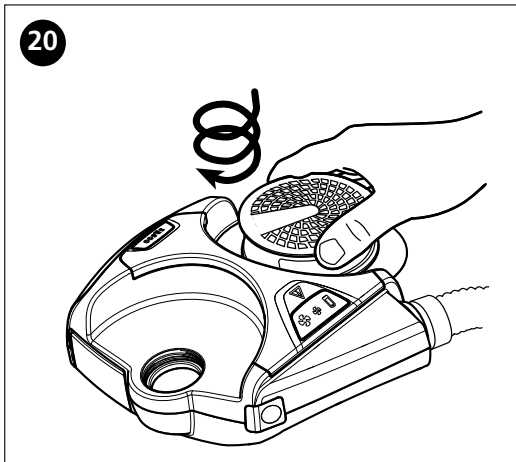




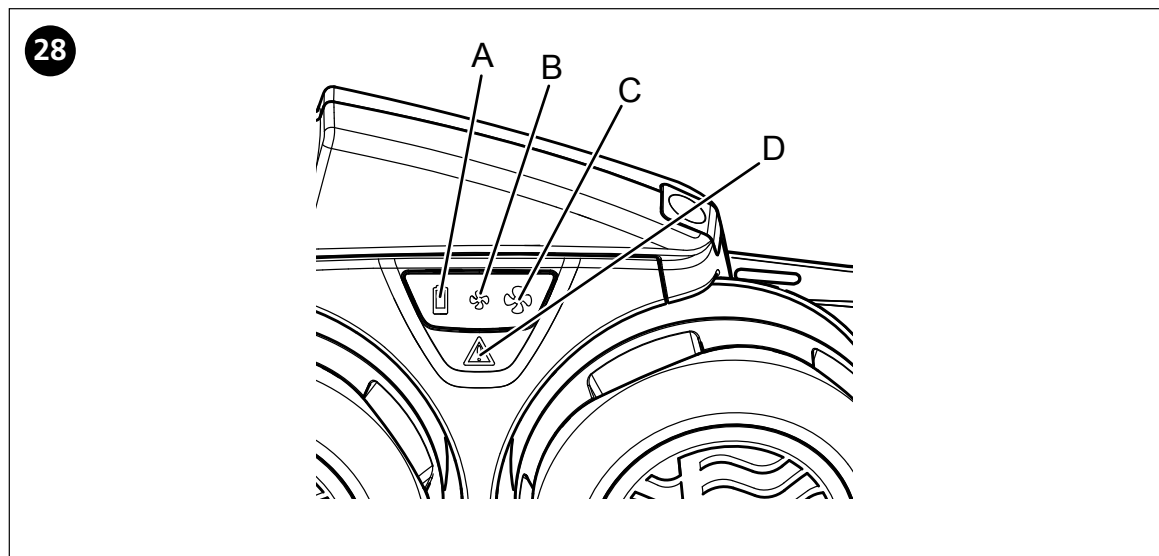
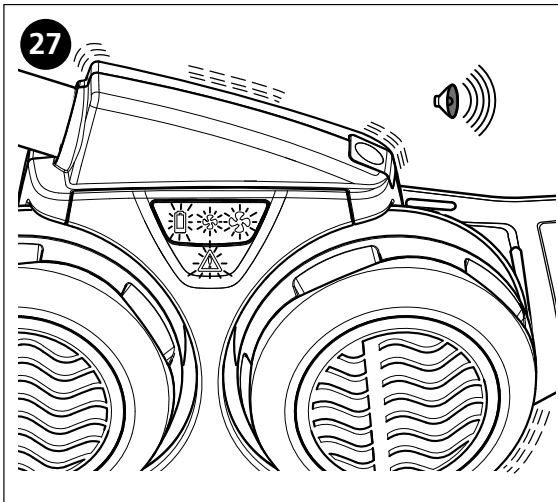
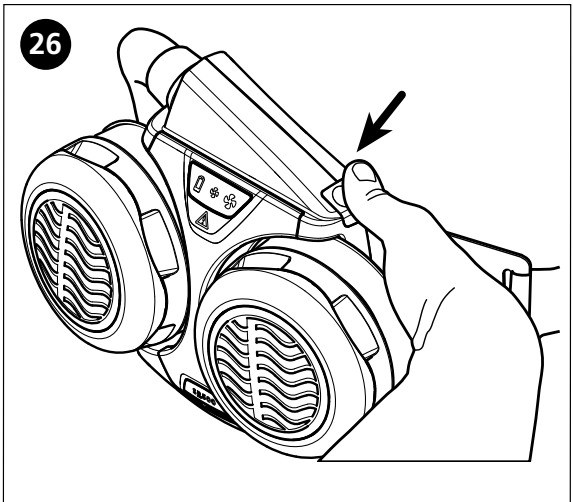
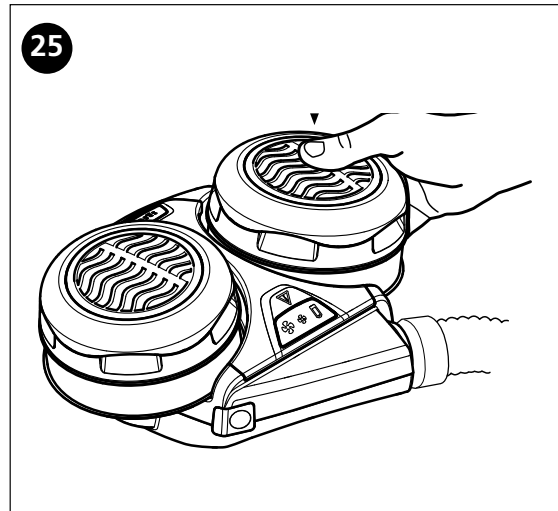
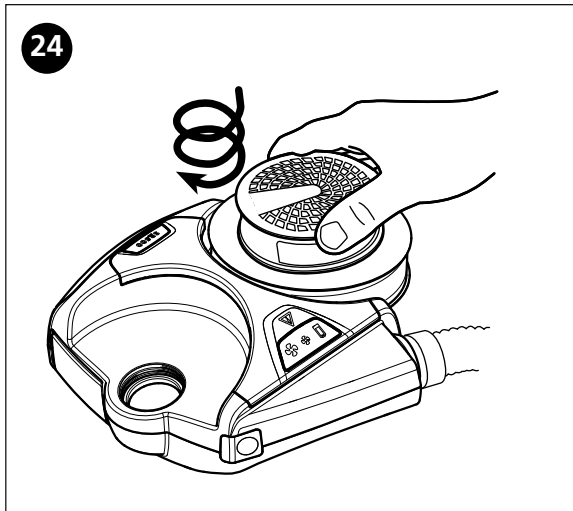


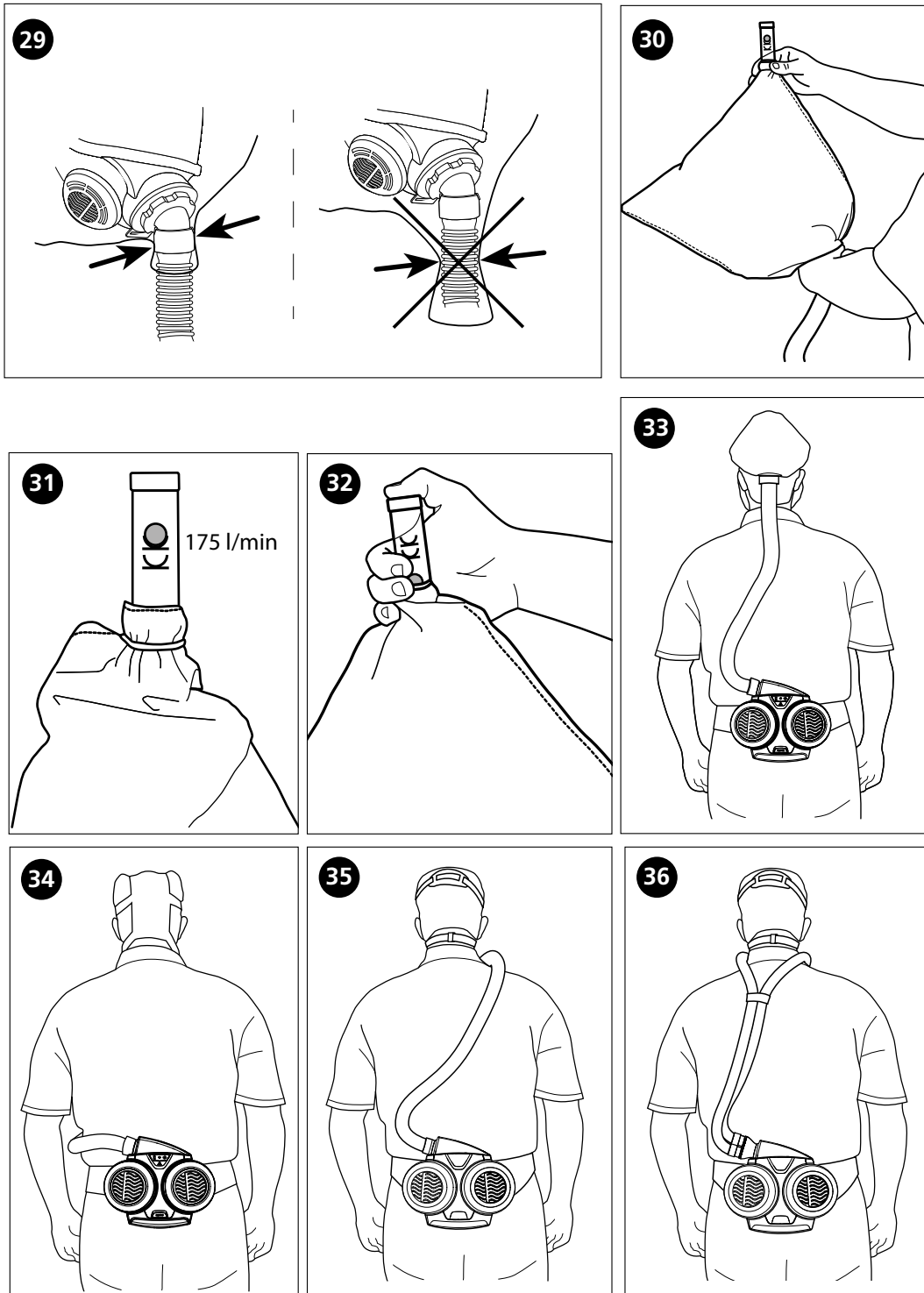
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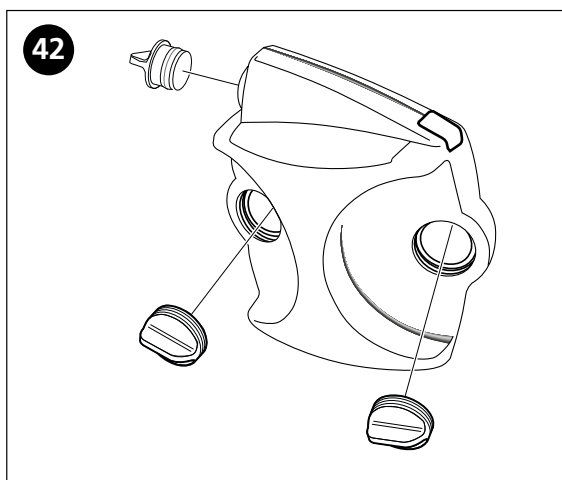
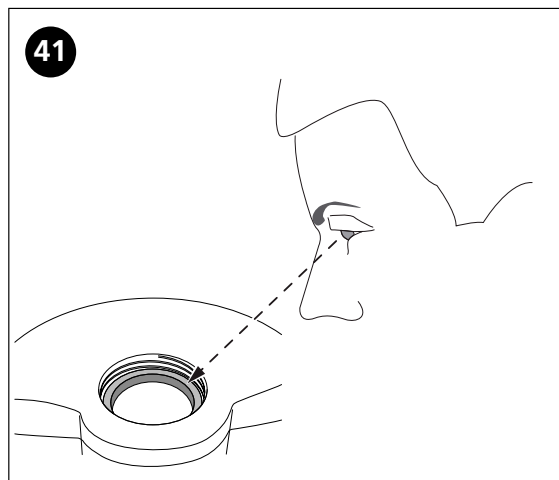
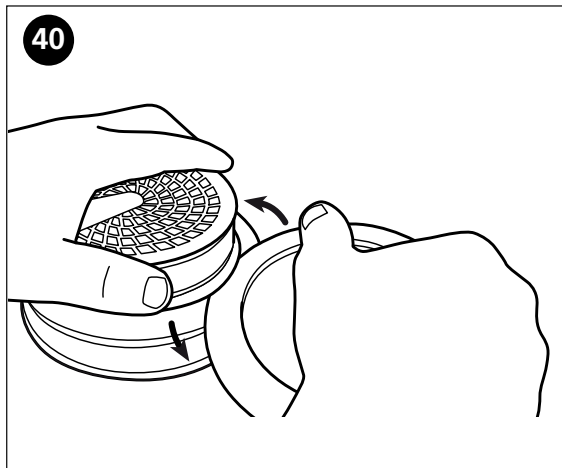
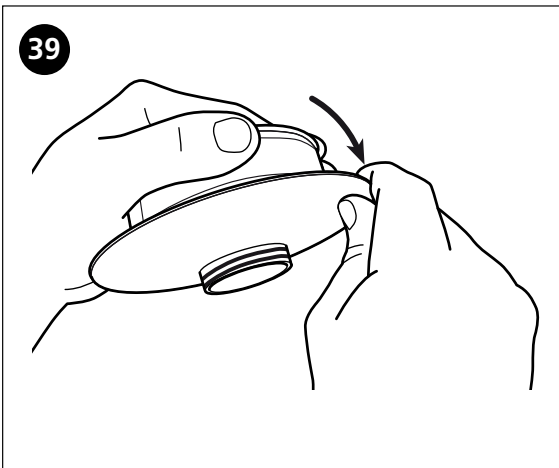
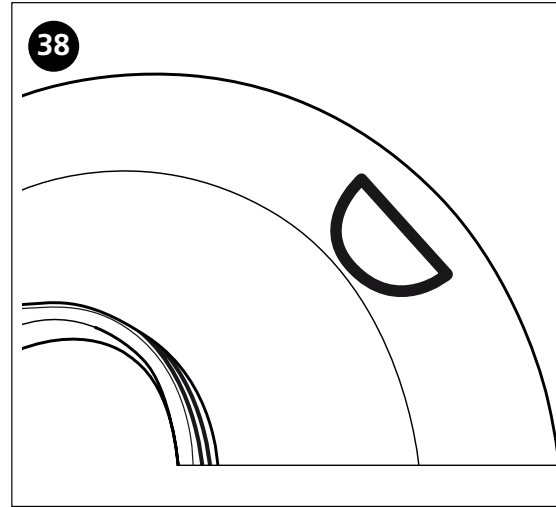
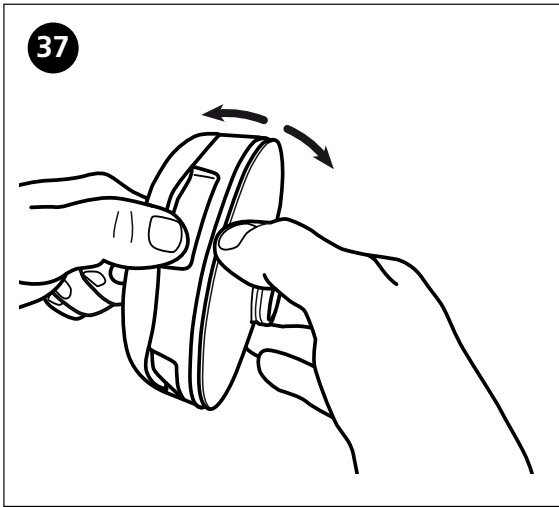


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The fan unit SR 500 is manufactured within a quality management system accepted by
Notified Body 0194: INSPEC International Ltd.
Certification Services, 56 Leslie Hough way,
Salford, M6 6 AJ, England



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